Registration No.: Pape	r Code:B
COURSE CODE : INT213	
COURSE NAME : PYTHON PROGRAMMING	
Read the following instructions carefully before attempting the question paper.  1. This question paper is divided into two parts A and B.	Marks: 70
2. Part A contains 10 questions of 2 marks each. All questions are compulsory	
<ol> <li>Part B contains 5 questions of 10 marks each. In each question attempt either question (a both (a) and (b) questions are attempted for any question then only the first attempted quest evaluated.</li> </ol>	) or (b), in case ion will be
Answer all questions in serial order.	
<ol> <li>Do not write or mark anything on the question paper except your registration no. on the de PART A</li> </ol>	signated space.
Q1. a) Differentiate between keyword and variable.	[ 2 Marks]
b) Differentiate between for loop and while loop.	[ 2 Marks]
c) Write a program to find the length of list.	[ 2 Marks]
d) Differentiate between aliasing and copying a dictionary.	[ 2 Marks]
e) What are the different modes used in files.	[ 2 Marks]
f) Define polymorphism.	[ 2 Marks]
g) Define function overloading.	[ 2 Marks]
h) What is a graph? Write down the applications of graph	[ 2 Marks]
i) What do you mean by clustering?	[ 2 Marks]
j) What is dynamic programming?	[ 2 Marks]
Q2. a) What do you mean by recursion? Write a python program to calculate the factorial of a	
recursion.	
OR	[ 10 Marks]
b) i) Write a python program to compare two strings.	
ii) Differentiate between formal arguments and actual arguments with example.	[ 5 Marks]
y and a gaments with example.	[ 5 Marks]
Q3. a) Define dictionary. Write a python program to add, delete, count, and copy the dictional OR	y. [ 10 Marks]
b) i) Write a python program to create a login form using GUI.	[ 5 Marks]
ii) Write a python program to swap two values using tuples.	[ 5 Marks]

[ 10 Marks]

[ 5 Marks]

[ 5 Marks]

[ 10 Marks]

[ 5 Marks]

[ 5 Marks]

[ 10 Marks)

[ 5 Marks]

[ 5 Marks]

Q4. a) What do you mean by OOPS? Write down the features of OOPS.

ii) Write a python program to illustrate the concept of pickling,

b) i) What do you mean by knapsack problem?

ii) Write a python program to create a graph,

ii) Explain python dictionary with an example

b) i) Write a python program to copy the content of one file into another file.

OR

OR

OR

--- End of question paper---

Q5. a) What do you mean by inheritance? Write a python program to implement single level inheritance.

Q6. a) What do you mean by divide and conquer approach? Write a python program to implement binary

b) i) Write a python program to calculate the Fibonacci series using dynamic programming.

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